

Title (en)
ROTATING ELECTRICAL MACHINE COIL

Title (de)
DREHSPULE FÜR ELEKTRISCHE MASCHINE

Title (fr)
BOBINE DE MACHINE ÉLECTRIQUE TOURNANTE

Publication
EP 3267563 A1 20180110 (EN)

Application
EP 16758953 A 20160302

Priority
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Abstract (en)
According to the present invention, a wire insulation layer (112) and an interlayer insulation layer (113) are formed on a wire (111). A main insulation layer (114) is formed by winding highly thermally conductive mica tape. A first outer insulation layer (115) formed from heat-shrinking material and a second outer insulation layer (116) formed from a highly thermally conductive resin are formed at a coil end section. Due to this configuration, the thermal conductivity of the coil, particularly of the coil end section, is improved, thereby enabling improved cooling performance.

IPC 8 full level
H02K 3/34 (2006.01)

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H02K 2213/03 (2013.01 - EP US)

Cited by
AT523257A1; AT521301A1; AT521301B1; CN112166541A; WO2019227115A1; US11387700B2; US11469639B2; WO2022187883A1

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Designated extension state (EPC)
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